

Agenda



1. Progress Update
2. Assumptions for Demographic Forecasts
3. Proposed Project Amendment for Recommendation to Commissioners Court

Progress Update

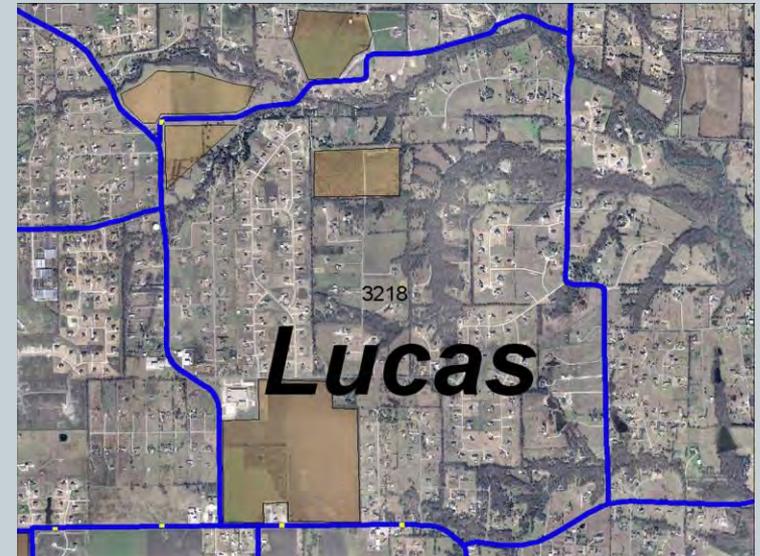


- Completing Data Collection
- Established NCTCOG Coordination
- Contacting Municipalities and Agencies by E-mail and phone to request plans and offer meetings
- Compiling Existing Plans for Land Use, Thoroughfares and Trails
- Developing Forecasts for Traffic Serial Zones (TSZs)
- Preparing Countywide 2035 Future Land Use Plan
- Creating CCMP Website, Facebook Page and Twitter account

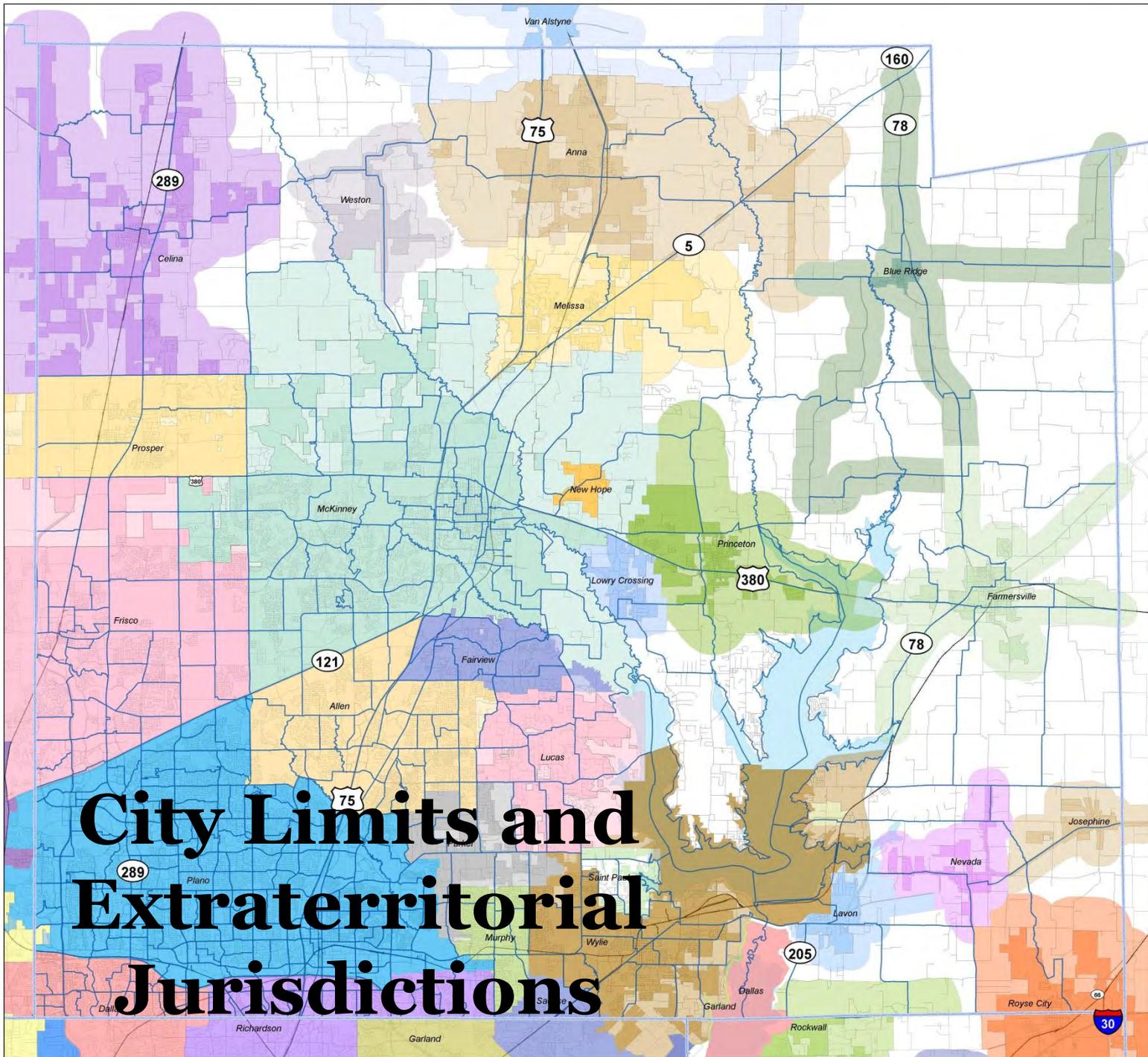
Assumptions for Demographic Forecasts



- Cities and ETJs
 - Coverage and Influence of Boundaries
 - ✦ 31 Cities (Rockwall has been added)
 - Assigning Cities to TSZs
 - ✦ Establish which city has the greatest influence in a TSZ
 - ✦ Note: TSZs do not follow city limits
 - ✦ 453 TSZs



City Limits and Extraterritorial Jurisdictions

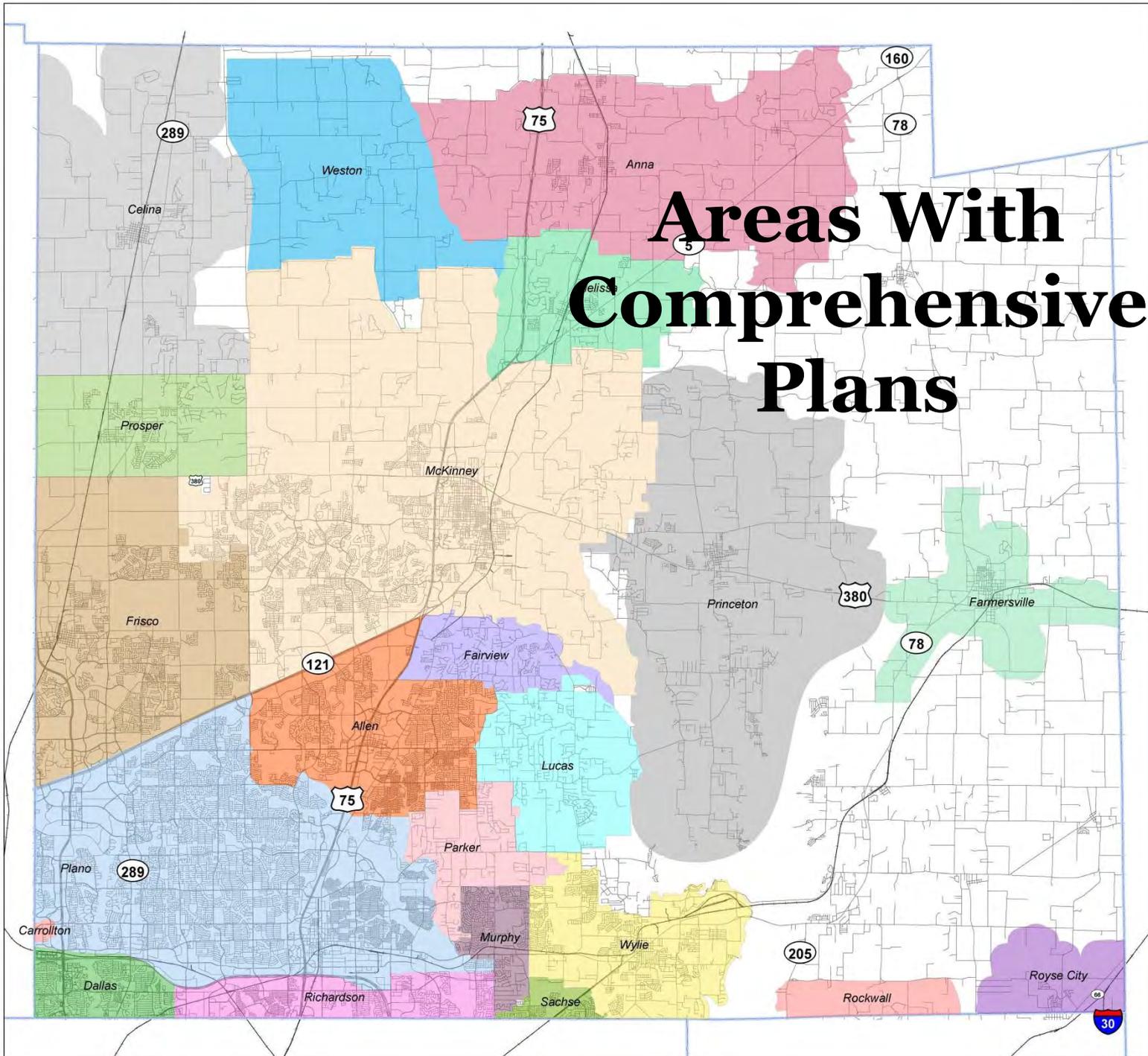


Assumptions for Demographic Forecasts

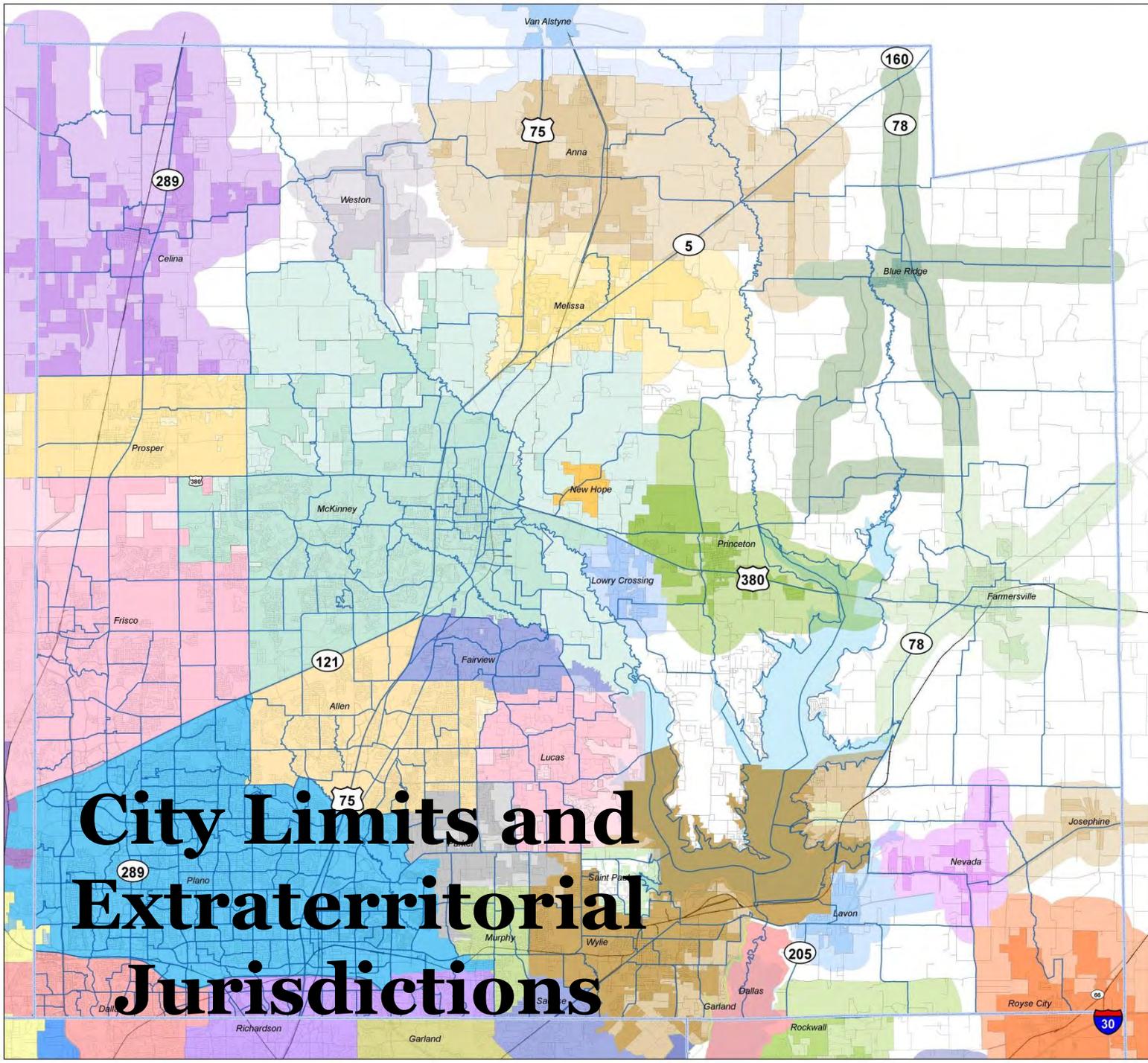


- Factors Guiding Development
 - Cities with Plans
 - ✦ Future Land Use Plans
 - ✦ 22 Cities have plans (Farmersville in progress)
 - Water Districts
 - ✦ MUD (Municipal Utility Districts)
 - ✦ FWSD (Fresh Water Supply Districts)
 - ✦ SUD (Special Utility Districts)
 - Rural Areas
 - ✦ Incorporated Areas (Rural/Smaller Cities)
 - ✦ Unincorporated Areas

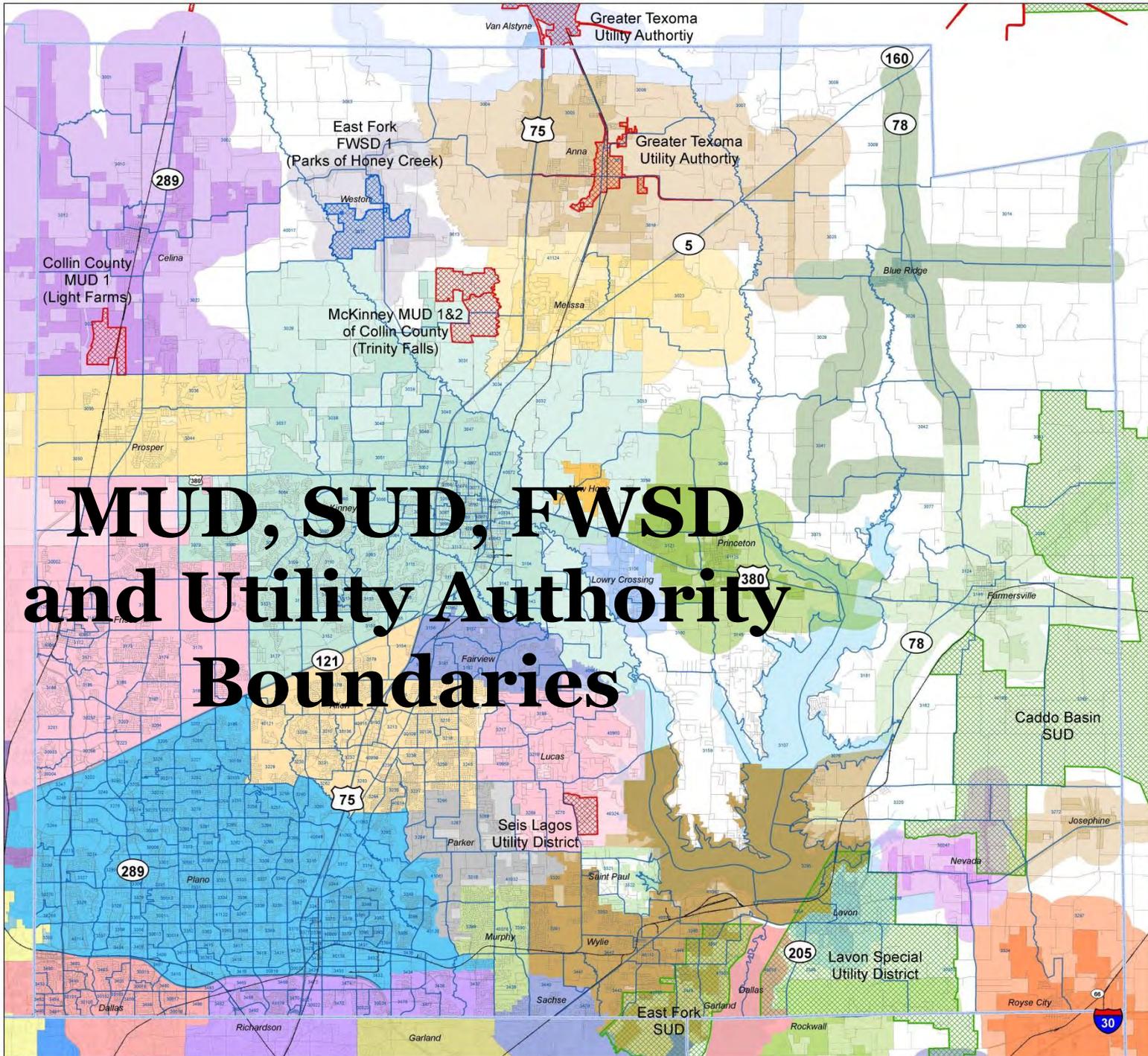
Areas With Comprehensive Plans

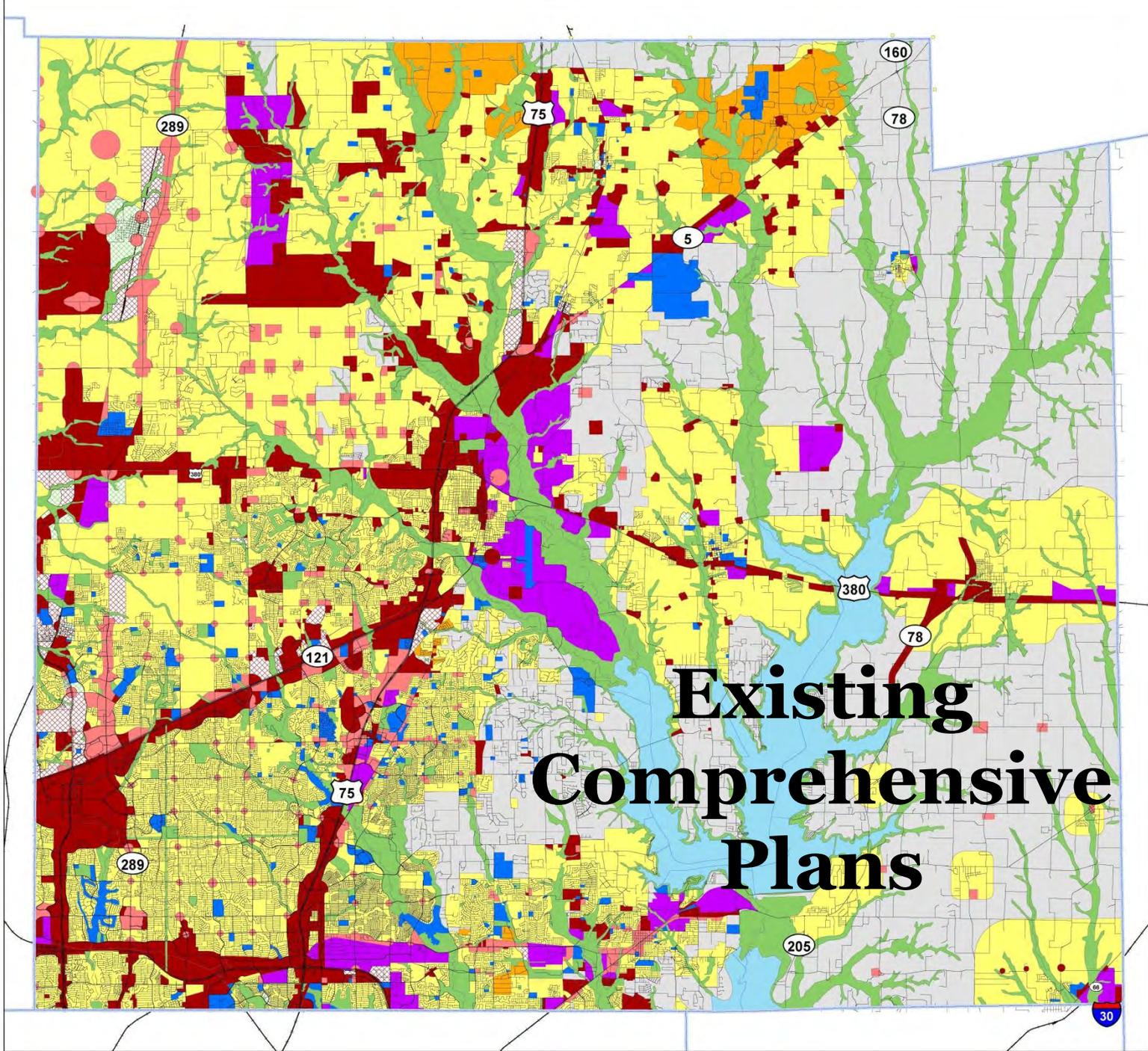


City Limits and Extraterritorial Jurisdictions



MUD, SUD, FWSD and Utility Authority Boundaries





Existing Comprehensive Plans

Assumptions for Demographic Forecasts



Legend

Residential

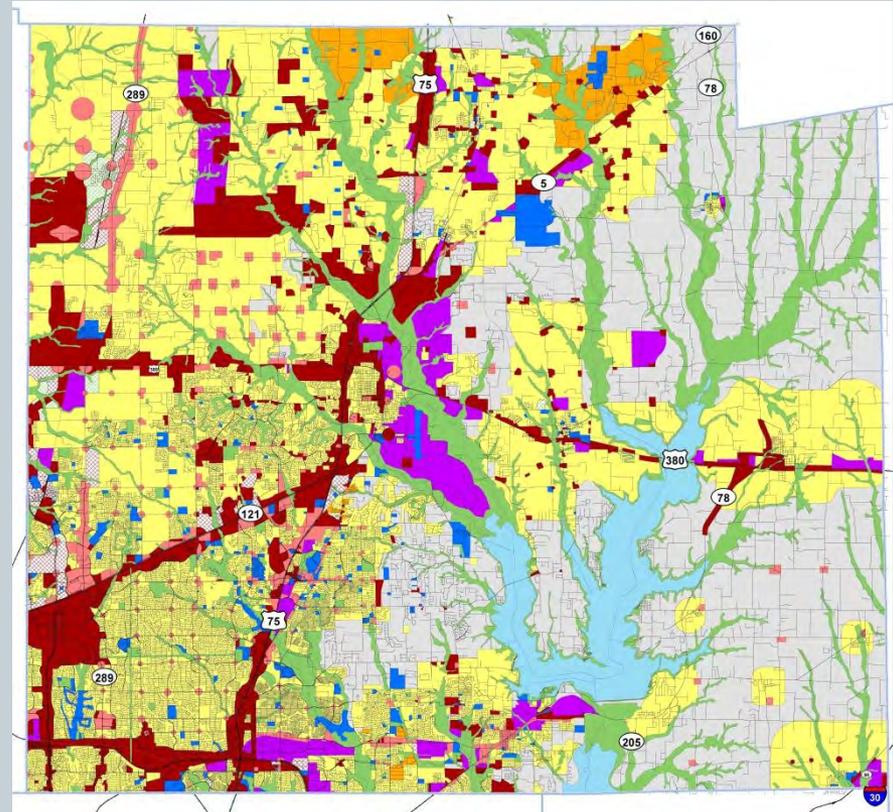
- ☐ Rural = 1.0 DUA or less
- ☐ Semi-Urban = 1.0 DUA - 3.0 DUA
- ☐ Urban = 3.0 DUA or greater

Nonresidential

- ☐ Retail
- ☐ Service (Office, Commercial)
- ☐ Basic (Industrial)

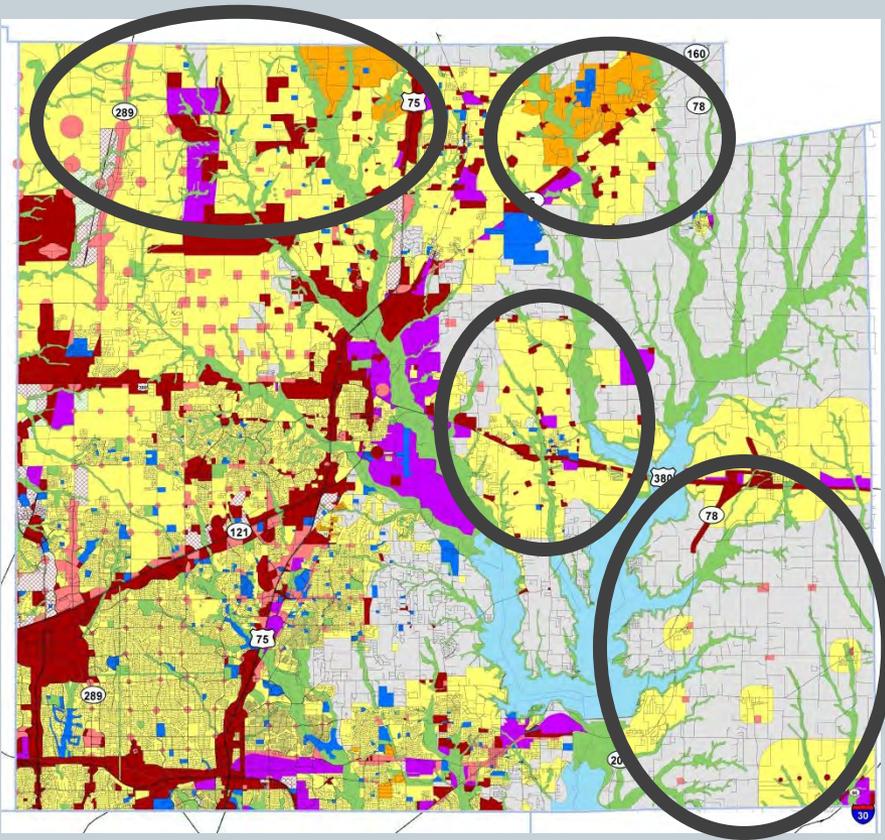
Mixed Use / Special

- ☐ Mixed Use Residential (Per Comp Plans)
- ☐ Mixed Use Nonresidential (Per Comp Plans)
- ☐ Public/Semi Public, Parks/Floodplain, and Lake (Per Site)

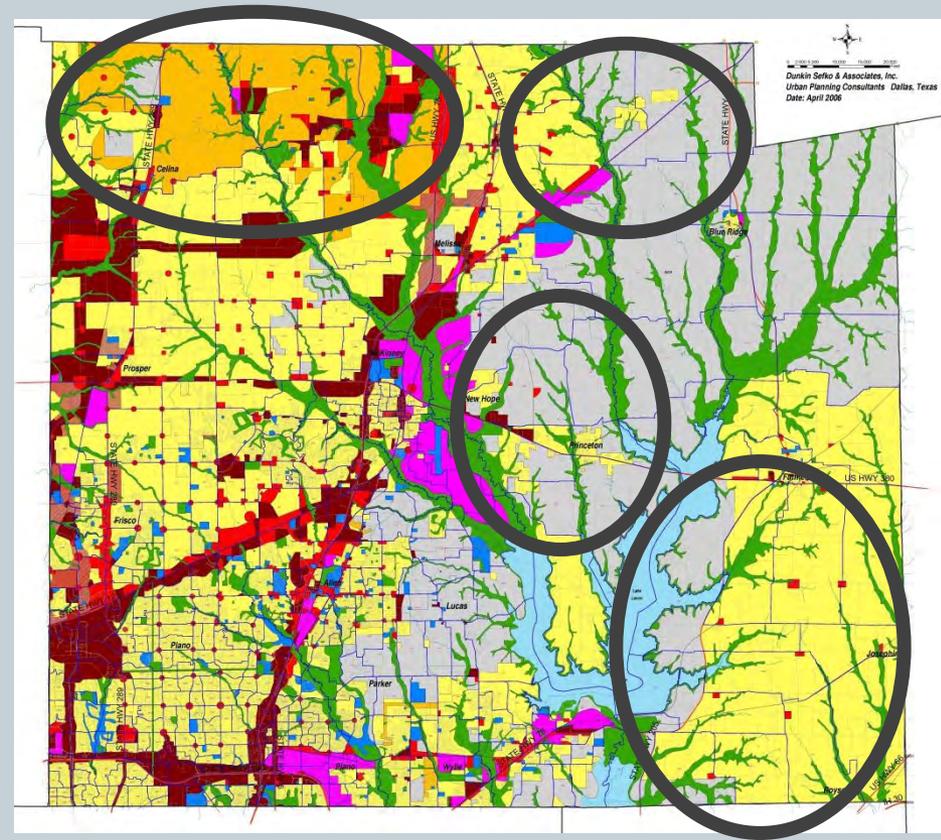


2013

Assumptions for Demographic Forecasts



2013

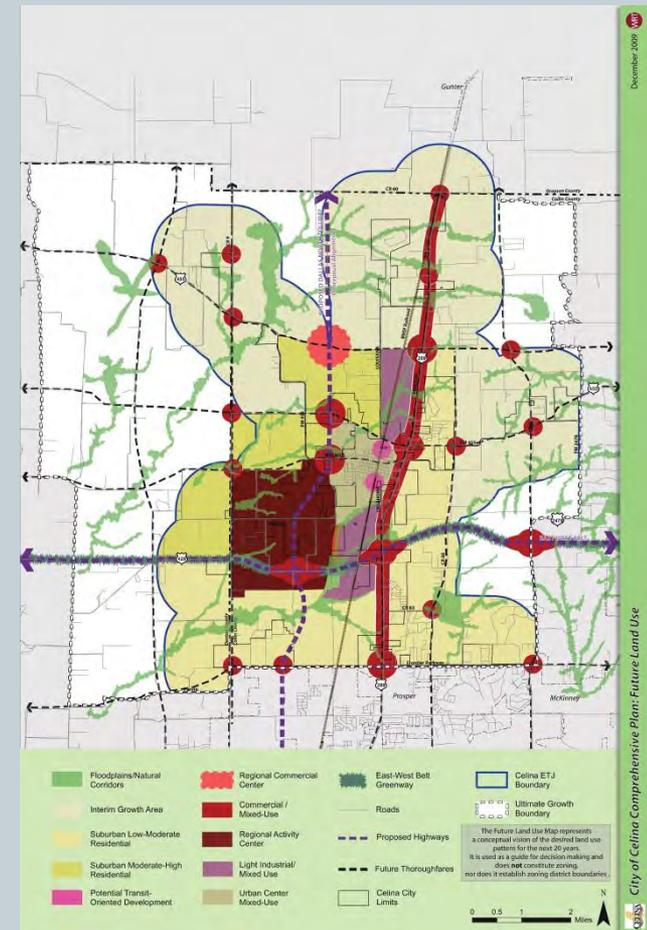


2006

Assumptions for Demographic Forecasts



- How Do We Calculate Population and Employment
 - Areas with Plans
 - ✦ Future Land Use Plans
 - ✦ Celina
 - Suburban Low-Moderate Residential (LMR)
 - 6 DUA
 - Suburban Moderate-High Residential (MHR)
 - 10 DUA
 - Areas without Plan
 - ✦ Rural = 0.75 DUA
 - ✦ Semi-Urban = 1.5 DUA
 - ✦ Urban = 3.5 DUA



Assumptions for Demographic Forecasts



- How Do We Calculate Population and Employment
 - Population and Households based on Area Calculation
 - ✦ Acres
 - A 10% reduction is applied to vacant residential land of 500 acres or greater to accommodate roads and other public and semi-public land uses.
 - ✦ Dwelling Units Per Acre (DUA)
 - ✦ Occupancy Rate (yields household number)
 - ✦ Persons Per Household (yields population number)
 - Density for Employment
 - ✦ Retail: 0.25 F.A.R. 350 S.F. per Employee
 - ✦ Service: 0.25 F.A.R. 450 S.F. per Employee
 - ✦ Basic: 0.10 F.A.R. 1,000 S.F. per Employee

Assumptions for Demographic Forecasts



- How Do We Calculate Population and Employment
 - In order to calculate 2020 and 2035 population and employment, growth rates are determined for each TSZ based on the following:
 - ✦ Municipal comprehensive plans or city staff
 - ✦ Observed growth patterns in each TSZs
 - ✦ Observed growth patterns in each city

Assumptions for Demographic Forecasts



- Questions?



Questions and Comments on Demographic Forecast Assumptions



Proposed Project Amendment



- 1) Jacobs Team will perform additional Travel Demand Modeling in lieu of NCTCOG Support
 - Perform Additional Model Runs for Network Alternatives
- 2) Conduct 3 Additional Public Meetings
 - Involve Residents from all areas of Collin County
 - Conduct Meeting in each of four County Commissioners Districts
 - Increase Total Public meetings to Five (5)

1) Travel Demand Modeling Services

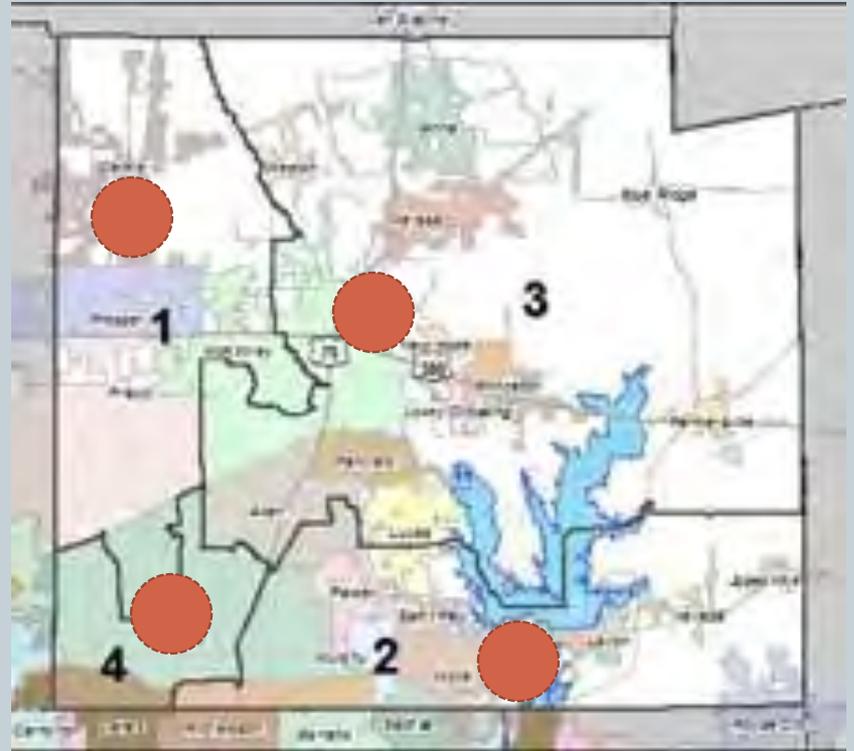


- NCTCOG support limited to providing current 2020 and 2035 regional models
- Current NCTCOG models are regional and have a zone structure and roadway network
- **NCTCOG's work will run 2020 and 2035 models** with new demographics and provide the TransCAD models
- Jacobs Team will apply models to analyze alternative Collin County networks for 2020 and 2035
- Add a level of refinement to make them consistent **with Collin County's thoroughfare system**

2) Additional Public Meetings



- Initial round of 4 public meetings in Spring 2013
 - One meeting in each commissioners district
 - Present demographics
 - Review preliminary alternatives for Mobility Plan Update
- 5th countywide public meeting to review Draft Mobility Plan
- Public hearing before Commissioners Court for Final Mobility Plan



Discussion and Recommendations for Project Amendment

